

THIS INDENTURE, made this 8th day of February, 1963,
by and between SOUTHERN PACIFIC COMPANY, a corporation of the State of
Delaware, herein termed "Railroad", and CITY OF RIVERSIDE, a municipal
corporation of the State of California, herein termed "Grantee";

WITNESSETH:

1. Railroad, for and in consideration of the faithful performance
by Grantee of all the terms, covenants and conditions herein contained,
hereby grants to Grantee an easement to construct, reconstruct, main-
tain and operate one (1) 15-inch diameter vitrified clay sewer pipe
line within a 28-inch outer diameter casing pipe, hereinafter termed
"structure", beneath the tracks and property of Railroad in the City
of Riverside, County of Riverside, State of California, crossing the
the tracks and property of Railroad at its Engineer Station 491+65, in
the approximate location illustrated on the attached print of Railroad's
Los Angeles Drawing A-5559, Sheet No. 1, as revised November 12, 1962.

Such structure shall be constructed and maintained in accordance
with the specifications indicated on the print of Railroad's Drawing
C.S. 1741, also attached hereto.

APPROVED AS TO DESCRIPTION

J. F. MARTINEK
Director of Public Works

By

J. B. Thiel
Assistant City Engineer

ES 3-11-63

*Check in Office
Courthouse
Riverside*

RECEIVED FOR RECORD

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PHOTOSTATED
CONFIRMED
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City of Riverside, California

W. W. Thiel

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2. This grant is made subject and subordinate to the prior and continuing right and obligation of Railroad, its successors and assigns, to use all the property described herein in the performance of its duty as a common carrier and, for that purpose, there is reserved unto Railroad, its successors and assigns, the right (consistent with the rights herein granted) to construct, reconstruct, maintain and use existing and future railroad tracks, facilities and appurtenances and existing and future transportation, communication and pipe line facilities and appurtenances in, upon, over, under, across and along said property.

3. This grant is made subject to all licenses, leases, easements, restrictions, conditions, covenants, encumbrances, liens and claims of title which may affect said property and the word GRANT as used herein shall not be construed as a covenant against the existence of any thereof.

4. The rights herein granted to Grantee shall lapse and become void if the construction of said structure upon said property is not commenced within one (1) year from the date first herein written.

5. Grantee shall bear the entire cost and expense of constructing, reconstructing and maintaining said structure upon said property. Grantee agrees that all work upon or in connection with said structure shall be done at such times and in such manner as not to interfere in any way whatsoever with the operations of Railroad. The plans for and the construction of said structure shall be subject to the approval of Railroad.

Grantee agrees to reimburse Railroad for the cost and expense to Railroad of furnishing any materials or performing any labor in connection with the construction, reconstruction, maintenance and removal of said structure, including, but not limited to, the installation and removal of such falsework and other protection beneath or along Railroad's tracks, and the furnishing of such watchmen, flagmen and inspectors as Railroad deems necessary.

In the event Railroad shall at any time so require, Grantee at Grantee's expense, shall reconstruct or alter said structure or make changes in the location thereof upon receipt of written notice from Railroad so to do.

6. As part consideration, Grantee agrees to pay Railroad an amount equal to any and all assessments which may be levied by order of any authorized, lawful body against the property of Railroad (and which may have been paid by Railroad) to defray any part of the cost or expense incurred in connection with the construction of said structure upon said property commenced within one (1) year from the date first herein written.

7. Grantee, its agents and employees, shall have the privilege of entry on said property for the purpose of constructing, reconstructing, maintaining and making necessary repairs to said structure. Grantee agrees to keep said property in a good and safe condition free from waste, so far as affected by Grantee's operations, to the satisfaction of Railroad. If Grantee fails to keep said property in a good and safe condition free from waste, then Railroad may perform the necessary work at the expense of Grantee, which expense Grantee agrees to pay to Railroad upon demand.

8. In the event any work upon or in connection with said structure or its appurtenances, to be done upon or adjacent to the tracks and property of Railroad, should be let to a contractor by Grantee, such work shall not be begun until such contractor shall have first entered into an agreement with the railroad company which

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Location

RIVERSIDE COUNTY WATER CO.
E.S. 430+17.850" PIPE WITH 12"
CASING. ADD 120220

E.S. 491+653
PROP. 15" V.C. SEWER
ENCASED IN 24" O.D.
X 40' CASING
C.S. 1741-CASING
TO BE JACKED
UNDER TRUCK

BT-546

AVENUE

25' 25'

To Riverside

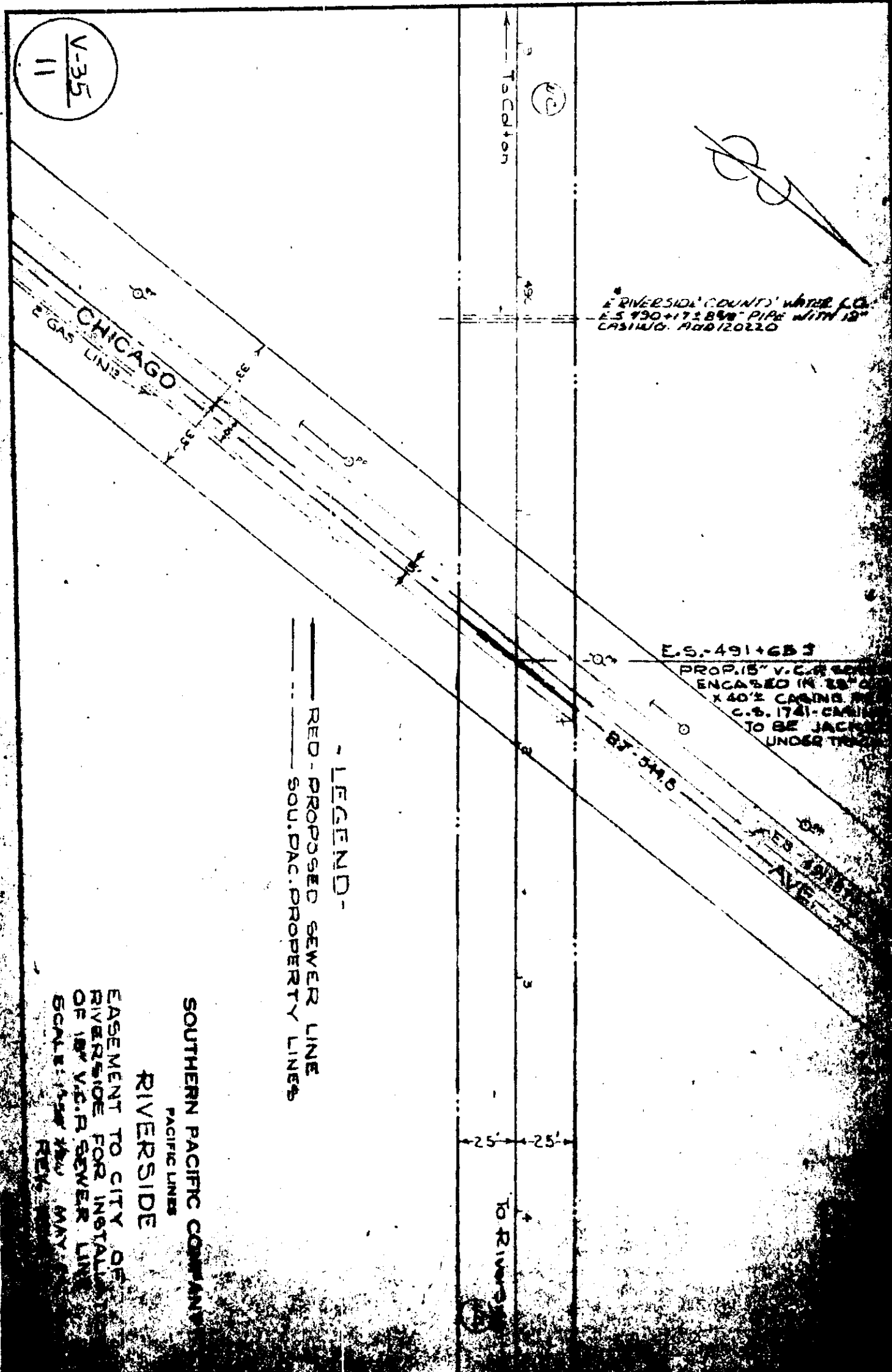
LEGEND-

RED - PROPOSED SEWER LINE
--- SOU. PAC. PROPERTY LINES

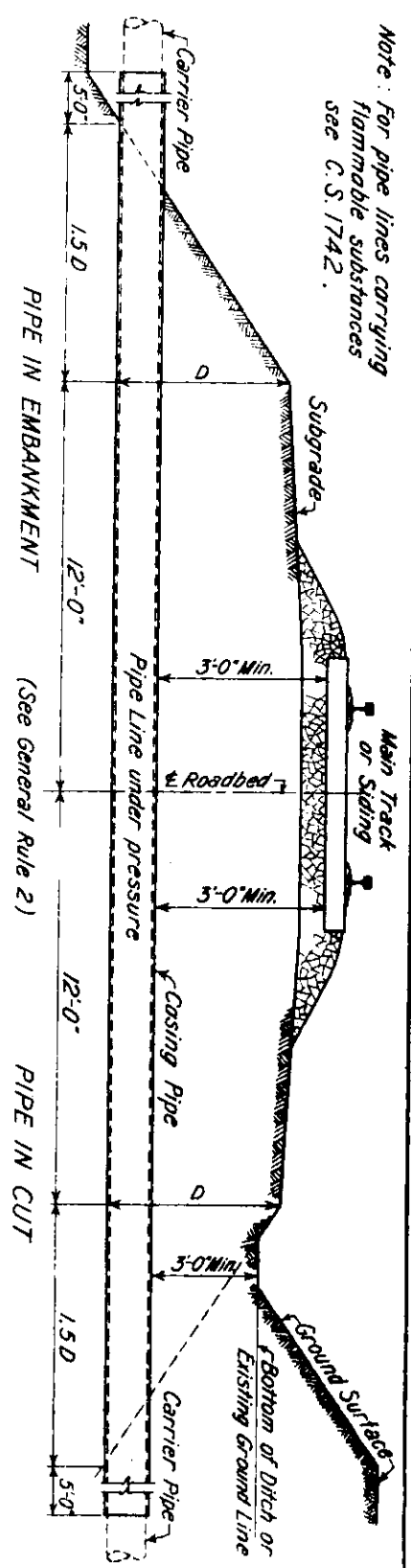
SOUTHERN PACIFIC COMPANY
PACIFIC LINES

RIVERSIDE

EASEMENT TO CITY OF
RIVERSIDE FOR INSTALLATION
OF 18" V.C.P. SEWER LINE
SCALE: 1" = 50' MAY 1954
REV. 1954



Note: For pipe lines carrying flammable substances see C.S. 1742.



RULES GOVERNING THE INSTALLATION OF PIPE LINES TRANSMITTING WATER OR OTHER NON-FLAMMABLE SUBSTANCES WHEN CROSSING UNDER TRACKS:

GENERAL

- 1. Distance from bottom of tie to top of pipe, casing or concrete encasement shall be not less than 3'-0".
- 2. Pipe lines under pressure, crossing main tracks and sidings, shall be installed in an approved casing. Length of such casing shall be as shown on the drawing above.
- 3. Pipe lines under pressure crossing tracks other than main tracks and sidings, and pipe lines not under pressure crossing any track, do not require a casing provided the carrier pipe is of sufficient strength to support the track and has water-tight joints. For such pipe lines, casings lighter than specified in Table I for supporting track may be used for installing pipe, provided the space between carrier pipe and casing is backfilled with grout or sand.
- 4. If carrier pipe does not have sufficient strength to support track, casing or concrete encasement must be installed. Length of casing measured at right angles to track shall extend even with or carry line of track four feet plus the vertical distance from bottom of tie to top of casing or encasement but not less than ten feet, except that where casing is installed through railroad embankment it shall extend beyond slope of embankment.
- 5. No pipe lines shall be laid through or under bridges or culverts, where there is likelihood of restricting the area required for the purpose for which the bridges or culverts were built, or endangering foundations of important structures.
- 6. If additional tracks are constructed in the future, the protection shall be correspondingly extended.
- 7. Inverted siphons for drainage or irrigation ditches (C.S. 1705) using steel pipe with welded or screwed joints or corrugated iron pipe with all seams and joints close riveted and soldered, having a diameter of 48 inches or less and the required strength to support track, may be installed without a casing.

CASINGS

- 1. Casing may be of either corrugated iron, smooth steel or concrete. It shall have sufficient strength to support track, except that a lighter casing may be used for installation purposes as provided in General Rule 3 above.
- 2. Malleable (knocked down) type plain galvanized corrugated pipe of gage corresponding to requirements of Table I may be used to protect carrier pipes that are already in place.

PIPE IN CUT

- 2. Metal casing for supporting track shall conform to thicknesses shown in Table I and shall have joints of either screw, welded or riveted type. It shall be galvanized or shall be dipped in preservative material and thoroughly coated inside and outside. If preservative material cannot be used on inside of casing, then the casing shall be at least one gage or 1/8" thicker than otherwise required.
- 3. Concrete casing for supporting track shall have the strength specified in current ASTM Serial Designation C-75, Class IV. All joints shall be water-tight and of an approved type of construction.
- 4. The inside diameter of casing shall be at least 2 inches greater than the largest outside diameter of carrier pipe.
- 5. Sizes of casing larger than shown in Table I are special cases and will be decided upon their merits.
- 6. Casing shall be so installed as to prevent formation of waterway under the railway. It shall have even bearing throughout its length and shall slope toward one end.
- 7. When practicable, casing may be installed by the jacking or boring method. If installed by tunneling, space around carrier pipe must be backfilled with grout or sand.
- 8. When placed in open cut, pipe lines having diameter of 36" or less, when crossing tracks other than main tracks and sidings, may be encased in concrete as shown in Table II.
- 9. Where the ends of the casing are below ground, they shall be suitably protected against the entrance of foreign material, which might prevent ready removal of the carrier pipe.
- 10. Where the ends of the casing are at or above ground surface and above high water level, they may be left open, provided drainage is afforded in such a manner that leakage will be conducted away from the roadbed and structures.
- 11. Requirements for casings for pipes under main tracks and sidings in dedicated streets may be modified when authorized by Chief Engineer.

CARRIER PIPE

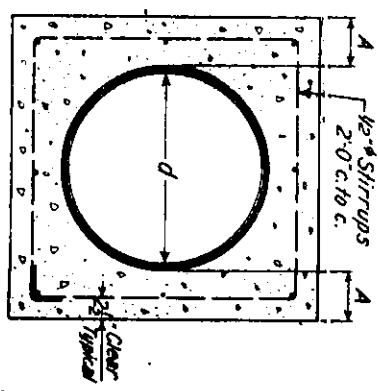
- 1. Carrier pipe shall be of an approved type with water-tight joints.
- 2. Corrugated iron, smooth steel or concrete carrier pipe when used without a casing shall have the same strength as required above for casings.
- 3. Cast iron carrier pipe used without a casing shall have a thickness not less than that specified for Class 150 Cast Iron Pipe.

TABLE I THICKNESS OF PIPE CASINGS FOR SUPPORTING TRACK

Inside Diameter Inches	Corrugated Iron Pipe U.S. Std. Gage No.	Smooth Steel Pipe Min. Thickness Inches
4 to 10	14	1/8
12	14	3/16
15, 18	14	1/4
21, 24	12	1/4
30, 36	10	3/8
48, 54, 60	8	

TABLE II CONCRETE ENCASEMENT FOR PIPES

d Inches	A Inches	Number of Longitudinal 1/2" Bars
10, 12	4	4
15	5	4
18	5	8
21, 24, 27	6	8
30	7	12
33	8	12
36	9	12



SOUTHERN PACIFIC LINES COMMON STANDARD PIPE LINES

FOR NON-FLAMMABLE SUBSTANCES CROSSING UNDER TRACK

ADOPTED APR. 20, 1903
REVISED MAY 24, 1901

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